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**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER
0666.2380000/TGD/AFKU.S. APPLICATION NO. (If known, see 37 CFR 1.5)
To Be Assigned

107517820

INTERNATIONAL APPLICATION NO. PCT/JP2004/008046	INTERNATIONAL FILING DATE 9 June 2004	PRIORITY DATE CLAIMED 25 February 2004 (25.02.2004)
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TITLE OF INVENTION

Charging Equipment For Secondary Battery

APPLICANT(S) FOR DO/EO/US

Hiromi TAKAOKA, Yasuo OSABE, Takamichi FUJIWARA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

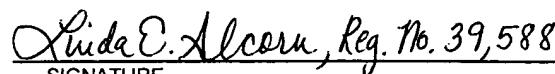
1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (including Form PTO-1449 and copies of 5 cited documents)
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: 1) EOT Authorization; and 2) 2 return postcards.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Ms. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <i>To Be Assigned 17820</i>		INTERNATIONAL APPLICATION NO. PCT/JP2004/008046	ATTORNEY'S DOCKET NUMBER 0666.2380000/TGD/AFK													
<p>21. The following fees are submitted:</p> <table> <tr> <td><input checked="" type="checkbox"/> a) Basic national fee.....</td> <td>\$300.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> b) Examination fee.....</td> <td>\$200.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> c) Search fee.....</td> <td>\$500.00</td> <td></td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$1000.00</td> </tr> </table>					<input checked="" type="checkbox"/> a) Basic national fee.....	\$300.00		<input checked="" type="checkbox"/> b) Examination fee.....	\$200.00		<input checked="" type="checkbox"/> c) Search fee.....	\$500.00		TOTAL OF ABOVE CALCULATIONS =		\$1000.00
<input checked="" type="checkbox"/> a) Basic national fee.....	\$300.00															
<input checked="" type="checkbox"/> b) Examination fee.....	\$200.00															
<input checked="" type="checkbox"/> c) Search fee.....	\$500.00															
TOTAL OF ABOVE CALCULATIONS =		\$1000.00														
<p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p>																
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE													
51 - 100 =	0 /50 =	0	x \$250.00	\$ 0												
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE												
Total claims		16 - 20 =	0	x \$50.00												
Independent claims		1 - 3 =	0	x \$200.00												
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00													
TOTAL OF ABOVE CALCULATIONS =																
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.																
SUBTOTAL =																
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																
TOTAL NATIONAL FEE =																
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																
TOTAL FEES ENCLOSED =																
<table> <tr> <td>Amount to be refunded:</td> <td>\$ 0</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$ 1,000.00</td> </tr> </table>					Amount to be refunded:	\$ 0	Amount to be charged:	\$ 1,000.00								
Amount to be refunded:	\$ 0															
Amount to be charged:	\$ 1,000.00															
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0036</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																
SEND ALL CORRESPONDENCE TO:																
CUSTOMER NUMBER 26111																
Sterne, Kessler, Goldstein & Fox P.L.L.C.																
 Linda E. Alcorn, Reg. No. 39,588 SIGNATURE																
for <u>Tracy-Gene G. Durkin</u> NAME																
32,831																
REGISTRATION NUMBER																

10/517820

PT12 Rec PCT/PTO 14 DEC 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

TAKAOKA *et al.*

Appl. No.: *To Be Assigned*

(U.S. Nat'l Phase of PCT/JP2004/008046)

Int'l Filing Date: June 9, 2004

371 Filing Date: Herewith (December 14, 2004)

For: **Charging Equipment for Secondary
Battery**

Confirmation No.: *To Be Assigned*

Art Unit: *To Be Assigned*

Examiner: *To Be Assigned*

Atty. Docket: 0666.2380000

**Authorization to Treat a Reply as Incorporating an
Extension of Time Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Linda E. Alcorn
Reg. No. 39,588
for Tracy-Gene G. Durkin
Attorney for Applicants
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Date: December 14, 2004

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